

Patent Claims

1. Method for cleaning drain pipes for fatty waste water from households or industrial enterprises, whereby nitrogenous compounds are added to the fat-reducing and/or fat-emulsifying bacteria contained in the waste water, characterized in that the following is added:
 1. To a liquid drain cleaning agent - urea, a urea derivative, a salt of the urea and/or a salt of a urea derivative and
 2. To a solid drain cleaning agent - urea, a urea derivative, a salt of the urea and/or a salt of a urea derivative and/or waterless magnesium sulfate,wherein growth factors in form of supplines are excluded to a large extent, and in 1. and 2. the amount of germ-inhibiting organic matter lies below 0.5 g/kg, preferably below approximately 0.3 g/kg, in particular below approximately 0.1 g/kg of drain cleaning agent.
2. Method according to Claim 1, characterized in that urea is utilized, specifically in an amount of approximately 0.1 to 20% by weight in proportion to the solid matter contents.
3. Method according to Claim 1, characterized in that urea phosphate is utilized, specifically in an amount of approximately 0.2 to 40% by weight in proportion to the solid matter contents.

4. Method according to any one of Claims 1 to 3, characterized in that a mixture of urea and urea phosphate is employed.
5. Method according to at least one of the preceding Claims, characterized in that fat-reducing, protein-reducing and carbohydrate-reducing enzymes and/or micro-organisms are added.
6. Method according to at least one of the preceding Claims, characterized in that with utilization of a solid cleaning agent, waterless magnesium sulfate is included, specifically in an amount of approximately 5 to approximately 95% by weight.
7. Method according to at least one of the preceding Claims, characterized in that additionally a detergent is added and/or a CO₂-developing medium.
8. Cleaning agent, specifically for cleaning of drain pipes for fatty waste water from households and from industrial enterprises, whereby nitrogenous compounds are added to the fat-reducing and/or fat-emulsifying bacteria contained in the waste water, in particular for execution of a method according to at least one of Claims 1 to 7, characterized in that

1. a liquid drain cleaning agent additionally contains urea, a urea derivative,
a salt of the urea and/or a salt of a urea derivative and
2. a solid drain cleaning agent additionally contains urea, a urea derivative,
a salt of the urea and/or a salt of a urea derivative and/or waterless
magnesium sulfate,

whereby the growth factors in form of suplines are excluded to a large extent
and in 1. and 2. the amount of germ-inhibiting organic matter lies below
0.5 g/kg, preferably below approximately 0.3 g/kg, in particular below
approximately 0.1 g/kg of drain cleaning agent.

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5. Method according to at least one of the preceding Claims, characterized in that fat-reducing, protein-reducing and carbohydrate-reducing enzymes and/or micro-organisms are added.
6. Method according to at least one of the preceding Claims, characterized in that with utilization of a solid cleaning agent, waterless magnesium sulfate is included, specifically in an amount of approximately 5 to approximately 95% by weight.
7. Method according to at least one of the preceding Claims, characterized in that additionally a detergent is added and/or a CO₂-developing medium.
8. Cleaning agent for cleaning of drain pipes for fatty waste water from households and from industrial enterprises, whereby nitrogenous compounds are added to the fat-reducing and/or fat-emulsifying bacteria contained in the waste water, in particular for execution of a method according to at least one of Claims 1 to 7, characterized in that
 1. a liquid drain cleaning agent additionally contains urea, a urea derivative, a salt of the urea and/or a salt of a urea derivative and

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2. a solid drain cleaning agent additionally contains urea, a urea derivative,
a salt of the urea and/or a salt of a urea derivative and/or waterless
magnesium sulfate,

whereby the growth factors in form of supplines are excluded to a large extent
and in 1. and 2. the amount of germ-inhibiting organic matter lies below
0.5 g/kg, preferably below approximately 0.3 g/kg, in particular below
approximately 0.1 g/kg of drain cleaning agent.

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